FY-2002 PROPOSED SCOPE OF WORK for: **Project #: C-29**
Grand Valley Irrigation Company Fish Screen Facility

Lead Agency: Bureau of Reclamation
Submitted by: Brent Uilenberg (Project Leader)
Bureau of Reclamation
2764 Compass Dr., Suite 106
Grand Junction CO 81506
Phone: (970) 248-0641
Fax: (970) 248-0601
E-mail: builenberg@uc.usbr.gov

Date: October 1, 2001 (revised 10/9/01 by Pat Nelson)

Category:	Expected Funding Source:
x Ongoing project	_ Annual or _ O&M funds
_ Ongoing-revised project	x Capital funds
_ Requested new project	_ Other (explain)
_ Unsolicited proposal	

I. Title of Proposal:

Grand Valley Irrigation Company Fish Screen Facility

II. Relationship to RIPRAP:

Colorado River Action Plan: Mainstem II.B.1.b Screen GVIC diversion to prevent fish entrainment

III. Study Background/Rationale and Hypotheses:

The 3-foot-high Grand Valley Irrigation Company Diversion Dam is owned and operated by the Grand Valley Irrigation Company. The dam is located on the Colorado River, near Palisade, CO, approximately 3 miles downstream of the abandoned Price-Stubb Diversion Dam and 8 miles downstream of the Grand Valley Project Diversion Dam. All three of these dams prevent upstream movement of native and non-native fish; however, a fish passage facility was constructed at the Grand Valley Irrigation Company Diversion Dam in 1997. Entrainment of native fish in the Grand Valley Project and Grand Valley Irrigation Company canal systems has been documented. In response to these problems, the Upper Colorado River Recovery Implementation Program (Program) has identified restoration of fish passage at these three dams as well as screening the Grand Valley Irrigation Company and Grand Valley Project canals as important components of recovery efforts for Colorado pikeminnow and razorback sucker.

The Program has adopted 3/32" wedge wire screening material as a standard as it prevents entrainment of a wide range of fish life stages, minimizes operation and maintenance problems and represents proven state-of-the-art technology. All screening and passage alternatives will emphasize minimization of fish mortality and operational impacts to the canal systems.

IV. Study Goals, Objectives, End Product:

Goal: Screen Grand Valley Irrigation Company canal system

Objectives:

1. Conduct preconstruction planning and environmental compliance activities leading to selection of a preferred alternative.

2. Prepare designs, specifications, O&M contract and cost estimates leading to construction contract award.

3. Provide construction management services resulting in construction of the fish screen and passage facility.

V. Study area: The dam is located on the Colorado River, near Palisade, CO, approximately 3 miles downstream of the abandoned Price-Stubb Diversion Dam and 8 miles downstream of the Grand Valley Project Diversion Dam. The fish screen will be located in the Grand Valley Irrigation Company canal approximately 2,000 feet below the diversion dam.

VI. Study Methods/Approach

A public scoping process has been conducted to identify issues and concerns regarding the proposal to screen the Grand Valley Irrigation Company Canal. A range of alternatives was formulated to provide fish screening facilities and address issues and concerns. The alternatives were presented and analyzed in a Final Environmental Assessment (DEA) dated August 1997. The Program Director's staff and Biology and Water Acquisition Committees were consulted in the process leading to selection of a preferred alternative. Final designs, specifications, O&M contract and cost estimates were prepared and a contract awarded to construct the preferred alternative.

VII. Task Description and Schedule

1. Conduct geotechnical investigations (Complete)

2. Formulate range of alternatives (Complete)

3. Conduct public scoping process (Complete)

4. Prepare DEA (Complete)

5. Finding of No Significant Impact (FONSI), Final Environmental Assessment (FEA) (Complete)

6. Prepare final designs, specifications, O&M contract, cost estimates and award construction contract (Complete)

7. Construct fish screen (FY 2002)

8. Operate and evaluate fish screen facility and modify if required (FY 2002)

9. Long term operation and maintenance of fish screen facility (Ongoing after FY 2003)

VIII. FY- 2002 Work

Task 7. Construct fish screen

– Deliverables/Due Dates - Fish screen (March 2002)

– Budget -

-	Labor - 78 work weeks	$120,000
-	Travel	$3,000
-	Equipment	$3,000
-	Other	$1,724,000
-	Total	$1,850,000

Task 8. Operate and evaluate fish screen facility and modify if required

– Deliverables/Due Dates - Operational fish screen (November 2002)

– Budget -

–	Labor - 26 work weeks	$30,000
–	Travel	$4,000
–	Equipment	$16,000
–	Other	$0
–	Total	$50,000

FY - 2002 Total.....$1,900,000

Out Year Funding Needs - No capital funding needs are identified beyond FY 2002. Annual O&M costs are estimated to be $15,000.

IX. Budget Summary - See current Capital Project Discussion Work Plan

X. Reviewers

Bob Norman
Bureau of Reclamation
2764 Compass Dr., Suite 106
Grand Junction CO 81506
Phone: (970) 248-0634
Fax: (970) 248-0601
E-mail: bnorman@uc.usbr.gov

XI. References

_____. 1997. Final Environmental Assessment, Providing Fish Passage at the Grand Valley Irrigation Company Diversion Dam on the Colorado River, Bureau of Reclamation, Grand Junction, CO. August 1997.